

Storm Data and Unusual Weather Phenomena - June 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE ERIE				
MICHIGAN WATERS OF LAKE ERIE FROM DETROIT RIVER TO NORTH CAPE MI COUNTY --- 2.5 SE MONROE HARBOR [41.90, -83.36]				
	06/25/09 16:00 EST	0		Marine Thunderstorm Wind (EG 60 kt)
	06/25/09 16:00 EST	0		Source: Law Enforcement
A thunderstorm with estimated 60 knot winds entered Lake Erie from Monroe.				
A severe thunderstorm moved into Lake Erie from Monroe.				
LAKE ST CLAIR				
LAKE ST CLAIR (U.S. PORTION) COUNTY --- 4.1 NW METROPOLITAN BEACH [42.51, -82.88]				
	06/25/09 14:30 EST	0		Marine Hail (1.75 in)
	06/25/09 14:30 EST	0		Source: SHAVE Project
LAKE ST CLAIR (U.S. PORTION) COUNTY --- 4.2 NW METROPOLITAN BEACH [42.51, -82.88]				
	06/25/09 14:30 EST	0		Marine Thunderstorm Wind (EG 60 kt)
	06/25/09 14:30 EST	0		Source: Trained Spotter
Thunderstorm winds were estimated to be around 60 knots as a thunderstorm moved into Lake St Clair.				
A severe thunderstorm produced large hail and strong winds over Lake Saint Clair between Lac Saint Clair Park and Memorial Park.				
MICHIGAN, East				
GENESEE COUNTY --- 1.4 N BEECHER [43.10, -83.70]				
	06/08/09 19:22 EST	0		Hail (1.00 in)
	06/08/09 19:22 EST	0		Source: CoCoRaHS
LIVINGSTON COUNTY --- 0.5 W COHOCTAH [42.75, -83.94]				
	06/08/09 19:25 EST	1K		Thunderstorm Wind (EG 56 kt)
	06/08/09 19:25 EST	0		Source: Amateur Radio
Twenty-four inch diameter trees reported down.				
LIVINGSTON COUNTY --- 0.5 W DEERFIELD CENTER [42.73, -83.86]				
	06/08/09 19:35 EST	1K		Thunderstorm Wind (EG 56 kt)
	06/08/09 19:35 EST	0		Source: Amateur Radio
Eighteen inch diameter trees were reported down.				
GENESEE COUNTY --- 1.4 S GRAND BLANC [42.90, -83.62]				
	06/08/09 19:52 EST	0		Hail (0.88 in)
	06/08/09 19:52 EST	0		Source: Trained Spotter
GENESEE COUNTY --- 1.4 S GRAND BLANC [42.90, -83.62]				
	06/08/09 19:52 EST	0		Thunderstorm Wind (MG 60 kt)
	06/08/09 19:52 EST	0		Source: Trained Spotter
A trained spotter measured a 69 mph thunderstorm wind gust.				
LENAWEE COUNTY --- 0.5 W ADRIAN [41.90, -84.04]				
	06/08/09 20:37 EST	0		Thunderstorm Wind (EG 52 kt)
	06/08/09 20:37 EST	0		Source: Trained Spotter

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A trained spotter estimated a 60 mph thunderstorm wind gust.				
LENAWEE COUNTY --- 2.0 SE ADRIAN [41.88, -84.00]				
	06/08/09 20:39 EST		3K	Thunderstorm Wind (EG 52 kt)
	06/08/09 20:39 EST		0	Source: Newspaper
Local media reported tree limbs blown down, along with a barn.				
A low pressure system moved through southern Lower Michigan, producing isolated severe storms during the late afternoon hours.				
LAPEER COUNTY --- SILVERWOOD [43.32, -83.25]				
	06/14/09 17:55 EST		0	Hail (0.88 in)
	06/14/09 17:55 EST		0	Source: Trained Spotter
LAPEER COUNTY --- 2.0 E GOODLAND [43.10, -83.03]				
	06/14/09 18:41 EST		0	Thunderstorm Wind (EG 52 kt)
	06/14/09 18:41 EST		0	Source: Law Enforcement
Local law enforcement reported a tree blown down on Shaw Road.				
An isolated severe storm developed over Lapeer county.				
GENESEE COUNTY --- 1.8 SSE GAINES ARPT [42.85, -83.81], 4.5 WNW BRENT CREEK [43.15, -83.95], 0.8 SW OTTER LAKE [43.21, -83.48], 3.6 SSE GOODRICH [42.87, -83.47]				
	06/17/09 12:19 EST		0.20M	Flood (due to Heavy Rain)
	06/17/09 16:00 EST		0	Source: Law Enforcement
LAPEER COUNTY --- 2.5 N HOLLOWAY RES [43.19, -83.46], 3.5 SSE NORTH BRANCH [43.19, -83.16], 1.3 W DRYDEN [42.95, -83.15], 2.2 NW HADLEY [42.97, -83.44]				
	06/17/09 13:33 EST		0.10M	Flood (due to Heavy Rain)
	06/17/09 17:00 EST		0	Source: Law Enforcement
ST. CLAIR COUNTY --- 7.3 W CAPAC [43.03, -83.06], 2.1 N GARDENDALE [43.06, -82.48], 1.9 SSE MARYSVILLE [42.87, -82.47], 7.8 SW ALLENTON [42.85, -83.05]				
	06/17/09 14:00 EST		0.10M	Flood (due to Heavy Rain)
	06/17/09 17:00 EST		0	Source: Law Enforcement
Three to six inches of rain fell in and around the I-69 corridor during the daytime hours of June 17th. This amount of rain, coupled with the wet spring, lead to flooding across a few counties. Road closures and basement flooding were common.				
GENESEE COUNTY --- FLUSHING [43.07, -83.83], 1.7 NE FLUSHING [43.09, -83.81], 1.3 W FLINT DALTONS ARPT [43.05, -83.81], 1.4 SSE FLUSHING [43.05, -83.82]				
	06/19/09 23:00 EST		0	Flash Flood (due to Heavy Rain)
	06/20/09 01:30 EST		0	Source: Law Enforcement
Water was covering Elms Road.				
MACOMB COUNTY --- 1.7 WSW MEADE [42.71, -82.90], 2.7 N WASHINGTON [42.76, -83.04], 1.5 SSW MT VERNON [42.71, -83.09], 0.4 SSW WALDENBURG [42.66, -82.93]				
	06/19/09 23:00 EST		0	Flash Flood (due to Heavy Rain)
	06/20/09 02:00 EST		0	Source: Trained Spotter
Water was covering many roads.				
SHIAWASSEE COUNTY --- 2.8 W LAINGSBURG [42.90, -84.41], 2.1 ENE DURAND [42.93, -83.94], 3.0 ENE JUDDVILLE [43.06, -83.92], 9.0 W CARLAND [43.03, -84.46]				
	06/19/09 23:00 EST		0	Flash Flood (due to Heavy Rain)
	06/20/09 01:00 EST		0	Source: Law Enforcement
Water covered many roads.				

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WASHTENAW COUNTY --- 2.1 S GEDDES [42.24, -83.67], 2.1 NNW (ARB)ANN ARBOR MUNI [42.25, -83.76], 2.1 ENE DELHI MILLS [42.34, -83.76], 2.1 NNW DIXBORO [42.35, -83.66]				
	06/19/09 23:00 EST		0	Flash Flood (due to Heavy Rain)
	06/20/09 02:00 EST		0	Source: Law Enforcement
US-23 was shut down due to flooding.				
WAYNE COUNTY --- 1.0 ESE INKSTER [42.27, -83.25], 0.9 SW MELVINDALE [42.27, -83.18], 1.3 ESE ALLEN PARK [42.24, -83.20], 1.6 WSW ALLEN PARK [42.24, -83.25]				
	06/19/09 23:57 EST		0	Flash Flood (due to Heavy Rain)
	06/20/09 02:00 EST		0	Source: Trained Spotter
A foot of water covered several roads.				
A low pressure system tracked through central lower Michigan, triggering widespread showers and thunderstorms. A very moist environment helped produce 1 to 4 inches of rain in a very short period of time (2 hrs or less) across most areas between I-94 and I-69. This lead to flash flooding in parts of several counties.				
MIDLAND COUNTY --- 4.5 SSE OIL CITY [43.56, -84.55]				
	06/24/09 19:55 EST		3K	Thunderstorm Wind (EG 54 kt)
	06/24/09 19:55 EST		0	Source: Trained Spotter
Several small trees were reported blown down.				
An isolated several thunderstorm developed during the evening hours.				
GENESEE COUNTY --- 0.9 SE GENESEE DUFORD ARPT [43.11, -83.62]				
	06/25/09 12:50 EST		0	Hail (1.00 in)
	06/25/09 12:50 EST		0	Source: Trained Spotter
GENESEE COUNTY --- 1.0 N DAVISON [43.04, -83.52]				
	06/25/09 12:52 EST		0	Hail (1.00 in)
	06/25/09 12:52 EST		0	Source: Trained Spotter
LAPEER COUNTY --- 2.0 NE ELBA [43.05, -83.42]				
	06/25/09 13:05 EST		0	Hail (0.75 in)
	06/25/09 13:05 EST		0	Source: Trained Spotter
LAPEER COUNTY --- LAPEER [43.05, -83.32]				
	06/25/09 13:10 EST		0	Hail (0.75 in)
	06/25/09 13:10 EST		0	Source: Trained Spotter
OAKLAND COUNTY --- 2.6 NW OXFORD [42.85, -83.31]				
	06/25/09 13:40 EST		0	Hail (1.75 in)
	06/25/09 13:40 EST		0	Source: SHAVE Project
OAKLAND COUNTY --- 0.7 SSE OXFORD [42.81, -83.26]				
	06/25/09 13:43 EST		1K	Hail (1.00 in)
	06/25/09 13:43 EST		0	Source: SHAVE Project
Minor damage to vehicles reported.				
OAKLAND COUNTY --- 1.0 E OXFORD [42.82, -83.25]				
	06/25/09 13:43 EST		0	Hail (1.00 in)
	06/25/09 13:43 EST		0	Source: Trained Spotter
OAKLAND COUNTY --- 0.5 W LAKE ORION [42.78, -83.24]				
	06/25/09 13:45 EST		0	Hail (0.88 in)
	06/25/09 13:45 EST		0	Source: Trained Spotter

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OAKLAND COUNTY --- 1.0 E OXFORD [42.82, -83.25]				
	06/25/09 13:45 EST		0	Hail (0.75 in)
	06/25/09 13:45 EST		0	Source: Trained Spotter
OAKLAND COUNTY --- 1.2 NW LAKE ORION [42.79, -83.25]				
	06/25/09 13:45 EST		0	Hail (1.00 in)
	06/25/09 13:45 EST		0	Source: Trained Spotter
OAKLAND COUNTY --- 0.5 W LAKE ORION [42.78, -83.24]				
	06/25/09 13:48 EST		0	Hail (1.25 in)
	06/25/09 13:48 EST		0	Source: Trained Spotter
OAKLAND COUNTY --- 0.5 W LAKE ORION [42.78, -83.24]				
	06/25/09 13:48 EST		0	Thunderstorm Wind (EG 56 kt)
	06/25/09 13:48 EST		0	Source: Trained Spotter
A trained spotter estimated a 65 mph thunderstorm wind gust.				
MACOMB COUNTY --- 0.7 S DISCO [42.67, -83.03]				
	06/25/09 13:56 EST		0	Hail (0.75 in)
	06/25/09 13:56 EST		0	Source: Trained Spotter
MACOMB COUNTY --- 0.5 W WASHINGTON [42.72, -83.04]				
	06/25/09 14:07 EST		60K	Thunderstorm Wind (EG 61 kt)
	06/25/09 14:07 EST		0	Source: Trained Spotter
Large trees and power poles reported down.				
MACOMB COUNTY --- 0.7 S DISCO [42.67, -83.03]				
	06/25/09 14:08 EST		2K	Thunderstorm Wind (EG 61 kt)
	06/25/09 14:08 EST		0	Source: Trained Spotter
Twelve inch diameter trees were reported blown down.				
MACOMB COUNTY --- UTICA [42.65, -83.03]				
	06/25/09 14:08 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/25/09 14:08 EST		0	Source: Trained Spotter
A large tree was blown down on Van Dyke Avenue and struck a car, causing minor damage.				
MACOMB COUNTY --- 0.7 N STERLING HGTS [42.58, -83.03], 0.4 N WARREN [42.53, -83.00]				
	06/25/09 14:09 EST		0.15M	Thunderstorm Wind (EG 65 kt)
	06/25/09 14:13 EST		0	Source: Emergency Manager
Extensive thunderstorm wind damage across Sterling Heights, with over 50 trees reported down. A few of those trees fell onto houses and cars, with hundreds of downed wires.				
MACOMB COUNTY --- 0.5 E WALDENBURG [42.67, -82.92]				
	06/25/09 14:14 EST		0	Hail (0.88 in)
	06/25/09 14:14 EST		0	Source: Trained Spotter
MACOMB COUNTY --- 0.5 E WALDENBURG [42.67, -82.92]				
	06/25/09 14:14 EST		0.50K	Thunderstorm Wind (EG 52 kt)
	06/25/09 14:14 EST		0	Source: Trained Spotter
Small to meduim size tree branches were reported down at 22 Mile and Schoenner Roads.				
LIVINGSTON COUNTY --- 0.5 W DEERFIELD CENTER [42.73, -83.86]				

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	06/25/09 14:15 EST		0	Thunderstorm Wind (EG 52 kt)
	06/25/09 14:15 EST		0	Source: Trained Spotter
A trained spotter estimated 60 mph thunderstorm wind gust, which downed small tree branches.				
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MACOMB COUNTY --- 2.6 WNW MT CLEMENS [42.59, -82.92]				
	06/25/09 14:16 EST		25K	Thunderstorm Wind (EG 59 kt)
	06/25/09 14:16 EST		0	Source: Trained Spotter
Trees and power lines were reported down.				
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LIVINGSTON COUNTY --- 1.3 S HOWELL [42.58, -83.93], 2.3 WSW HOWELL ARPT [42.62, -84.02], 2.5 N HOWELL ARPT [42.67, -83.97], 3.4 ENE HOWELL [42.63, -83.87]				
	06/25/09 14:18 EST		0	Flash Flood (due to Heavy Rain)
	06/25/09 15:30 EST		0	Source: Trained Spotter
Multiple reports of a half of a foot of standing water on area roads, including: M-59, Byron, Grand River, and Oak Grove Road.				
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LIVINGSTON COUNTY --- 1.2 NW COHOCTAH [42.76, -83.95]				
	06/25/09 14:20 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/25/09 14:20 EST		0	Source: Trained Spotter
Multiple 6 inch diameter trees reported down.				
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MACOMB COUNTY --- 1.7 ESE CADY [42.54, -82.95]				
	06/25/09 14:20 EST		1K	Thunderstorm Wind (EG 65 kt)
	06/25/09 14:20 EST		0	Source: Trained Spotter
A 24 inch diameter tree was reported down around 14 mile and Groesbeck Roads.				
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LIVINGSTON COUNTY --- 3.6 NNE PARSHALLVILLE [42.73, -83.75]				
	06/25/09 14:21 EST		0.50K	Thunderstorm Wind (EG 54 kt)
	06/25/09 14:21 EST		0	Source: Trained Spotter
Large tree limbs were reported down.				
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MACOMB COUNTY --- 1.4 N CENTER LINE [42.49, -83.03]				
	06/25/09 14:25 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/25/09 14:25 EST		0	Source: Trained Spotter
A large tree was blown down, blocking the westbound lanes on Chicago Road near 14 Mile.				
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MACOMB COUNTY --- 1.7 ESE FRASER [42.51, -82.94]				
	06/25/09 14:27 EST		0	Thunderstorm Wind (EG 56 kt)
	06/25/09 14:27 EST		0	Source: Trained Spotter
A trained spotter estimated an 65 mph thunderstorm wind gust.				
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MACOMB COUNTY --- 0.8 NE ROSEVILLE [42.51, -82.89]				
	06/25/09 14:30 EST		1K	Hail (1.75 in)
	06/25/09 14:30 EST		0	Source: SHAVE Project
Hail went through awning on porch.				
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MACOMB COUNTY --- 0.9 SE ROSEVILLE [42.49, -82.89]				
	06/25/09 14:30 EST		20K	Thunderstorm Wind (EG 61 kt)
	06/25/09 14:34 EST		0	Source: Trained Spotter
Numerous large tree branches and small trees were reported down.				
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MACOMB COUNTY --- 2.4 NNE ST CLAIR SHRS [42.51, -82.85]				

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	06/25/09 14:30 EST		1K	Hail (0.88 in)
	06/25/09 14:30 EST		0	Source: SHAVE Project
MACOMB COUNTY --- 1.5 NNW MT CLEMENS [42.60, -82.88]				
	06/25/09 14:33 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/25/09 14:33 EST		0	Source: Trained Spotter
Multiple 6 inch in diameter trees down.				
WAYNE COUNTY --- 2.6 ENE CHERRY HILL [42.31, -83.48]				
	06/25/09 14:45 EST		0	Thunderstorm Wind (EG 52 kt)
	06/25/09 14:45 EST		0	Source: Trained Spotter
A trained spotter estimated a 60 mph thunderstorm wind gust.				
OAKLAND COUNTY --- 3.0 N ROCHESTER HILLS [42.72, -83.13]				
	06/25/09 14:50 EST		2K	Thunderstorm Wind (EG 52 kt)
	06/25/09 14:50 EST		0	Source: SHAVE Project
Several oak trees split and fell over, along with small tree limbs reported blown down.				
WAYNE COUNTY --- 2.1 S NANKIN MILLS [42.32, -83.38]				
	06/25/09 14:50 EST		0	Thunderstorm Wind (EG 52 kt)
	06/25/09 14:50 EST		0	Source: Trained Spotter
A trained spotter estimated a 60 mph thunderstorm wind gust which brought down small tree limbs.				
MACOMB COUNTY --- STERLING HGTS [42.57, -83.03]				
	06/25/09 15:09 EST		0	Hail (0.88 in)
	06/25/09 15:09 EST		0	Source: Trained Spotter
WASHTENAW COUNTY --- 0.7 S CHELSEA [42.31, -84.02]				
	06/25/09 15:18 EST		0	Hail (1.00 in)
	06/25/09 15:18 EST		0	Source: Trained Spotter
MONROE COUNTY --- 3.3 N PATTERSON GARDENS [41.98, -83.44]				
	06/25/09 15:37 EST		2K	Thunderstorm Wind (EG 56 kt)
	06/25/09 15:37 EST		0	Source: Trained Spotter
A large tree was blown down and blocking the road at Raisinville and Bluebush Roads.				
WASHTENAW COUNTY --- 1.0 N CHELSEA [42.33, -84.02]				
	06/25/09 15:37 EST		0	Hail (0.75 in)
	06/25/09 15:37 EST		0	Source: Trained Spotter
MONROE COUNTY --- 2.0 S MONROE [41.89, -83.40]				
	06/25/09 15:58 EST		0	Thunderstorm Wind (EG 52 kt)
	06/25/09 15:58 EST		0	Source: Trained Spotter
A trained spotter estimated 60 mph thunderstorm wind gust which brought down small tree branches.				
MONROE COUNTY --- 2.1 SW DETROIT BEACH [41.90, -83.36]				
	06/25/09 16:00 EST		70K	Thunderstorm Wind (EG 60 kt)
	06/25/09 16:00 EST		0	Source: Law Enforcement
Trees and power lines were reported down.				
WASHTENAW COUNTY --- 0.7 S ANN ARBOR YOUNG ARPT [42.29, -83.87], 2.5 ESE ANN ARBOR YOUNG ARPT [42.28, -83.83], 2.4 SSE DELHI MILLS [42.30, -83.79], 1.1 SW SCIO [42.31, -83.84]				

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	06/25/09 16:00 EST		0	Flash Flood (due to Heavy Rain)
	06/25/09 17:00 EST		0	Source: Trained Spotter
Multiple reports of up to 1 foot of water over roads in and around I-94 and Jackson Roads.				
WASHTENAW COUNTY --- 0.5 W DEXTER [42.33, -83.88]				
	06/25/09 16:08 EST		25K	Thunderstorm Wind (EG 56 kt)
	06/25/09 16:08 EST		0	Source: Trained Spotter
Numerous trees and powerlines reported down.				
MACOMB COUNTY --- 1.0 WSW ST CLAIR SHRS [42.48, -82.89], 2.3 WNW WARREN [42.53, -83.04], 0.4 SE WASHINGTON [42.72, -83.02], 0.4 S NEW BALTIMORE [42.67, -82.73]				
	06/25/09 16:40 EST		0	Flash Flood (due to Heavy Rain)
	06/25/09 18:00 EST		0	Source: Trained Spotter
Dozens of reports of street flooding on area roads with up to 5 feet of standing water.				
GENESEE COUNTY --- 1.2 NE OTISVILLE ARPT [43.21, -83.53]				
	06/25/09 17:40 EST		2K	Thunderstorm Wind (EG 55 kt)
	06/25/09 17:40 EST		0	Source: Trained Spotter
Two 12 inch in diameter trees reported down.				
GENESEE COUNTY --- 0.9 SE OTTER LAKE [43.21, -83.46]				
	06/25/09 17:43 EST		0	Hail (0.88 in)
	06/25/09 17:43 EST		0	Source: Trained Spotter
LAPEER COUNTY --- 2.1 N LAKE NEPESSING [43.05, -83.38], LAPEER [43.05, -83.32]				
	06/25/09 17:56 EST		0	Hail (1.25 in)
	06/25/09 18:00 EST		0	Source: Trained Spotter
LAPEER COUNTY --- LAPEER [43.05, -83.32]				
	06/25/09 18:00 EST		3K	Thunderstorm Wind (EG 56 kt)
	06/25/09 18:00 EST		0	Source: Trained Spotter
Large Trees were reported blown down.				
A weak low pressure system coupled with high instability triggered several severe thunderstorms along and south of I-69 during the afternoon hours of June 25th, into the early evening hours. Southern Macomb county was hardest hit, as the majority of the 80,000 DTE customers who lost power resided in Macomb county.				